PTO/SB/518 (05-03)

Approved for use through 1/31/2004. OMB 0661-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

# SUPPLEMENTAL DECLARATION FOR REISSUE PATENT APPLICATION TO CORRECT "ERRORS" STATEMENT (37 CFR 1.175)

| <u>ocno to a collection of information unle</u> | iss it contains a valid OMB control number. |  |  |
|---|---|--|--|
| would nocket Millios.                           | 021028 - 0263288                            |  |  |
| First Named Inventor                            | Lawton                                      |  |  |
| COL   | MPLETE                                      |  |  |
| Application Number                              | 09/481,654                                  |  |  |
| Filing Date                                     | January 11, 2000                            |  |  |
| Art Unit  | 1752  |  |  |
| Examiner Name                                   | C. Hamilton                                 |  |  |

OIPE COLL

I/We hereby declare that:

Every error in the patent which was corrected in the present reissue application, and which is not covered by the prior oath(s) and/or declaration(s) submitted in this application, arose without any deceptive intention on the part of

I/We hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. thereon.

| Name of Sole of First Inventor:                         | A petition has been filed for this unsigned invent                           |   |  |
|---|--|---|--|
| Given Name (first and middle [if any])                  |  |   |  |
| ( any))   | Family Name or Surname   |   |  |
| John A.   | Lawton   |   |  |
| Signature Sella R.                                      | Date   | 1.00 22 2002                            |  |
| Name of Second Inventor:                                | A petition has been filed for this unsigned invento                          | June 23, 2003                           |  |
| Given Name (first and middle [if any])                  | Family Name or Sumame  |   |  |
| William J.  | Nebe   |   |  |
| Signature ( Co. 10 ).                                   | Nelne Date   | July 17, 2003                           |  |
| Name of Third Inventor:                                 | A petition has been filed for this unsigned invento                          | r , 200 )                               |  |
| Given Name (first and middle [if any])                  | Family Name or Surname   |   |  |
| Glen A.   | Thommes  |   |  |
| Signature // Company                                    | , Thomas Date  | Aug 23, 200                             |  |
| Name of Fourth Inventor:                                | A petition has been filed for this unsigned invento                          | , |  |
| Given Name (first and middle [if any])                  | Family Name or Surname   |   |  |
| Jonathan V.   | Caspar   |   |  |
| Inventor's<br>Signature                                 | Date   |   |  |
| Additional inventors or legal representatives(s) are to | Deing named on thesupplemental sheets PTO/SB/02A or 0                        | 2 B                                     |  |
|   | 5. The information is required to obtain or retain a benefit by the public w | tich is to file (end by the Luceste.    |  |

to process) an application. Confidentiality is governed by 37 CFR 1.178. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Tims will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Signature

inventor's Signature

Name of Fourth Inventor:

Jonathan V

Additional inventors or legal repre-

Given Name (first and middle [if any])

PTO/SB/519 (05-03) www.dhrough 1/31/2004. OMB 0651-0035 Under the Paperwork Reduction Act of 1995.

### SUPPLEMENTAL DECLARATION FOR REISSUE PATENT APPLICATION TO CORRECT "ERRORS" STATEMENT (37 CFR 1.175)

| STATE TO BE COMPETITION OF INTERMEDIATION VINE | ide; U.S. DEPARTMENT OF COMMERCE<br>as it contains a valid OMB control number. |
|--|--|
| With Line A Docker Williams                    | 021028 - 0263288   |
| First Named Inventor                           | Lawton   |
| COL  | MPLETE   |
| Application Number                             | 09/481.654   |
| Filing Date                                    | January 11, 2000   |
| Art Unit                                       | 175_   |
| Examiner Name                                  | C. Hamilton  |
|  |  |

Date

Dete

|   |   | Examiner Name                                       | C                      | . Hamilton   |
|---|---|---|------------------------|--|
| I/We hereby declare that:   |   |   |                        |  |
| Every error in the patent which was coprior cath(s) and/or declaration(s) submithe applicant.   | rrected in the pres<br>Itted in this applic | sent reissus application<br>atlon, aross without an | i, and wi<br>y decepti | nich is not covered by the<br>we intention on the part o |
| iWe hereby declare that all statements in on information and belief are believed to that willful false statements and the life 1001 and that such willful false statements. | o or side, and this                         | niar mat mase stateme                               | nts Were               | made with the knowledge                                  |
| Name of Sole or First Inventor:   | A petition ha                               | s been filed for this unsign                        | ned loven              | for  |
| Given Name (first and middle [if any])  | T   | ly Name or Surname                                  | 100 1110               |  |
| John A.   | Lawton                                      |   |                        |  |
| Inventor's<br>Signature   |   |   | Date                   |  |
| Name of Second Inventor:  | A petition ha                               | s been filed for this unsign                        | red inven              | tor  |
| Given Name (first and middle [if any])  | Family                                      | Name or Surname                                     |                        |  |
| William J.  | Neba  |   | -                      |  |
| Inventor's<br>Signature   |   |   | Date                   |  |
| Name of Third Inventor:   | A petition has                              | s been filed for this unsign                        | ed invent              | or   |
| Given Name (first and middle [if any])  |   | Name or Sumame                                      |                        |  |
| Glen A.   | Thomas                                      |   |                        |  |

supplemental sheets PTC/SB/02A or 02LR attached hereto. This collection of information is required by 37 CFR 1.17s. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete application, properly, and submitting the completed application for most of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Tradamark Office, U.S. Department of Commerce, P.O. Sox 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1459, Alexandria, VA 22313-1459.

Caspar

wing named on the

A petition has been filed for this unsigned inventor

Family Name or Sumame

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTC/SB/51 (05-03)

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

### REISSUE APPLICATION DECLARATION BY THE INVENTOR

Docket Number (Optional)

| As a below named inventor, I hereby declare that:  My residence, mailing address and citizenship are stated below next to my name.  I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed reissue patent is sought on the invention entitled.  Autuary 13, 1998, and for which a |
|---|
| Photohardenable Epoxy Composition   |
| the specification of which  |
| is attached hereto.   |
| was filed on <u>January 11, 2000</u> as reissue application number <u>09/481.654</u>  |
| and was amended on  |
| (If applicable)   |
| I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.  I acknowledge the duty to disclose information which is material to patentability as defined in I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)   |
| by reason of a defective specification or drawing.  |
| by reason of the patentee claiming more or less than he had the right to claim in the patent.   |
| by reason of other errors.  |
| At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:  |
| SEE ATTACHED PAGE 1A  |
|   |

[Page 1 of 2]

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO potentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including partnering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

if you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

At least one error upon which reissue is based:

In claim 1 (column 15), the phrase

"at least two epoxy resins one of which polymerizes at a slower rate and has a higher neat viscosity than at least one other epoxy resin present and the epoxy resins are present at a concentration in the mixture of from 5 to 25% by weight"

### should be changed to:

"at least two epoxy resins, said at least two epoxy resins including a first epoxy resin polymerizing at a slower rate and having a higher neat viscosity than at least one other epoxy resin present, said first epoxy resin being present at a concentration in the mixture of from 5 to 25% by weight"

 This Reissue application is a broadening reissue application. For instance, none of the added claims reference UV radiation at wavelengths of 351nm and 364nm.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid CMB control number. (REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2) Docket Number (Optional) All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith. Name(s) Registration Number Mark G. Paulson 30,793 Paul L. Sharer 36,004 Correspondence Address: Direct all communications about the application to: Customer Number 00909 Type Customer Number here Firm or Individual Name Address Address City State Zb Country Telephone I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this Full name of sole or first inventor (given name, family name) John A. Lawton inventor's signature Date Residence Landenberg, PA, USA Citizenship United States Mailing Address RD. #2. Box 44, Landenberg, PA 19350, USA Full name of second joint inventor (given name, family name) Inventor's signature Residence 2003 Wilmington, DE, USA Citizenship United States

Mailing Address

TAT & TRADEN

2719 Tanager Drive, Wilmington, DE 19808, USA

Full name of third joint inventor (given name, family name)

Glen. Inventorie signature

Residence Wilmington, DE. USA Mailing Address

United States

218 Welwyn Road, Wilmington, DE 19803

Additional joint inventors or legal representative(s) are named on separately numbered sheets forms PTC/SB/02A or 02LR stitsofied hereto.

Page 2 of 2

## Page 2A of Reissue Application Declaration by the Inventor Listing of final (fourth) inventor

| Full name of fourth in                                | nventor (given name, family name): Jonathan V. Caspar |
|---|---|
| Inventor's signature:                                 | Date:   |
| Residence:  | Greenville, Delaware, USA                             |
| Citizenship:  | USA   |
| Mailing Adress: 210 Brecks Lane, Greenville, DE 19807 |   |

Approved for use through 01/31/2004. CMB 0651-0033
U.S. Patent and Trademark Office; U.S. Department of 1995, no persons are required to respond to a collection of information unless & classical and trademark office; U.S. Department of COMMERCE

|                   | REISSUE APPLICATION DECLARATION BY THE INVENTOR  Docket Number (Optional)   |  |  |  |
|-------------------|---|--|--|--|
| NOT 2 1 2000 E    | As a below named inventor, I hereby declare that:  My residence, mailing address and citizenship are stated below next to my name.  I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed relssue patent is sought on the invention entitled  As a below named inventor, I hereby declare that:  My residence, mailing address and citizenship are stated below next to my name.  I believe I am the original, first and joint inventor (if only one name is listed below) or an original, first and in patent number 5,707,780 , granted January 13,-1998 , and for which a |  |  |  |
| on set            | Photohardenable Epoxy Composition   |  |  |  |
| SATAL & TRACEMENT | the specification of which  |  |  |  |
| <b>X</b> 7.11     | is attached hereto.   |  |  |  |
|                   | was filed on <u>January 11, 2000</u> as reissue application number <u>09/481,654</u>  |  |  |  |
|                   | and was amended on  |  |  |  |
|                   | (If applicable)   |  |  |  |
| •                 | I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.  I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.58.  I verify believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)  Dy reason of a defective specification or drawing.  Solve the patentee claiming more or less than he had the right to claim in the patent.   |  |  |  |
|                   | by reason of other empre.   |  |  |  |
| ·                 | At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:  |  |  |  |
|                   | SEE ATTACHED PAGE 1A  |  |  |  |
|                   | •   |  |  |  |

(Page 1 of 2)

This collection of information is required by 37 CFR 1.17s. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 50 minutes to complete deprication form to the USPTO. Time will vary depending upon the individual case. Any comments on the Institute of time you require to complete time antion suggestions for reducing this burden, should be cont to the Chief information Officer, U.S. Patent and ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS

If you need assistance in completing the form, cell 1-800-PTO-9199 and salect option 2.



At least one error upon which reissue is based;

DUPOUT

In claim 1 (column 15), the phrase

"at least two epoxy resins one of which polymerizes at a slower rate and has a higher neat viscosity than at least one other epoxy resin present and the epoxy resins are present at a concentration in the mixture of from 5 to 25% by weight"

#### should be changed to:

"at least two epoxy resins, said at least two epoxy resins including a first epoxy resin polymerizing at a slower rate and having a higher neat viscosity than at least one other epoxy resin present, said first epoxy resin being present at a concentration in the mixture of from 5 to 25% by weight"

This Reissue application is a broadening reissue application. For instance, none of the added claims reference UV radiation at wavelengths of 351nm and 364nm.

| Under the Perperwark R   | technicion Act of 1885, no persons are re-   | U.S. Patent and Trademark O  | THE WHITE OF CONSERCE  |
|--|--|--|--|
| (REISSUE APPLICATI   | ON DECLARATION BY THE IN   | IVENTOR, page 2)   | Docket Number (Optional)   |
| All errors corrected in inventor, I bereby appr                              | this salsous smallester  | rithout any deceptive intention on the   | part of the applicant. As a named<br>on and transact all business in the |
| Name(s) Mark G.  | Paulson Registrat  | on Number 30.793   |  |
| Yaul Lie   | Starer   | 36,004   |  |
| Correspondence Addin   | ess: Direct all communications   |  |  |
| Customer Nun   |  | notes and application in   | THE TRANSPORT OF THE PERSON  |
|  | Type Customer N  | lumber here  |  |
| Firm or  |  |  | 00909  |
| Individual Name Address  |  |  |  |
| Address  |  |  |  |
| 15 JAN 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                                 |  |  |  |
| Cly  |  | State  | Zip  |
| Country  |  |  |  |
| Telephone  |  | Fex  |  |
| false statements may<br>declaration is directed.<br>Full name of sole or fin |  | ty own knowledge are this and that all these statements were made with a and imprisonment, or both, under 18 application, any patent issuing there have.  John A. Lawton |  |
| inventor's signature   |  | Data   |  |
| Residence<br>Landen  | berg, PA, UBA  | Chizenship United Sta  |  |
| Mailing Address  |  |  | rat  |
| Full name of second joint  | #2. Box 44. Landenbe<br>int inventor (given name, family   | rema)  |  |
| Inventor's algnature   |  | William J. Nebe  |  |
| Residence Without  |  | Date   |  |
| ***************************************                                      | gton, DE, USA  | Chizenship Duited Sta  | Pag  |
| Maling Address   | 0.00   |  |  |
| Full name of third joint i   | 9 Tapager Drive, Wilm<br>nventor (given name, family nam   | inston, DE 19808, URA  |  |
| Inventor's algnature   |  | Gien A. Thomnes Date   |  |
| Résidence<br>Wilming   | ton. DE. USA   | Citizenship  |  |
| MRIENG Address   | Welwyn Road, Wilming   | United State   |  |
| Additional joint inventors of  | Liebes (abbesticitivate) are severy as a   | ton, DE 19809  |  |
|  | and the same of th | parately membered sheets forms PTO/SB/02A or (<br> Page 2 of 2)  | SLR effected hereig.   |
|  |  | r = 4 tf 4   |  |

Page 2A of Reissue Applicate. Jeelsration by the Inventor Listing of final (fourth) inventor

Full name of fourth inventor (given name, family name): Jonathan V. Caspar

Inventor's signature:

Date:

10/3/3

Residence:

Greenville, Delaware, USA

Citizenship:

USA

Mailing Adress:

210 Brecks Lane, Greenville, DE 19807

PTO/SB/52 (05-03)

Approved for use through 01/31/2004. OMB 0651-033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Docket Number (optional)

| REISSUE APPLICATION DECLARATION BY THE ASSIGNEE  |                   | Docket Number (optional)   |
|--|-------------------|--|
|  | SIGNEE            | 021028 - 0263288   |
| I hereby declare that:   |                   |  |
| The residence, mailing address and citizenship of the inventors  | s are stated b    | velow.   |
| I am authorized to act on behalf of the following assignee:  | DSM N.V.          |  |
| and the title of my position with said assignee is:Procure   |                   | r  |
| The entire title to the patent identified below is vested in said as Inventor  | ssignee.          |  |
| John A. Lawton   | Cit               | itizenship<br>United States  |
| Residence/Mailing Address RD. #2, Box 44, Landenbe   | erg. PA 1         |  |
| William J. Nebe  |                   | tizenship  |
| Residence/Mailing Address 2719 Tanager Drive Wile  |                   | United States  |
| 2719 Tanager Drive, Wilm Additional Inventors are named on separately number Patent Number   | ilngton, u        | DE 19808, USA  |
| 5,707,780  | Date of Pate      | ent Issued   |
| Title of Invention   | <u> </u>          | January 13, 1998   |
| Photohardenable Epoxy Compositi  |                   |  |
| I believe said inventor(s) to be the original and first inventor(s) of the subject matter which is described and claimed in said patent, for which a reissue patent is sought on the invention entitled: |                   |  |
| Photohardenable Epoxy Compositi  | Lon               |  |
| the specification of which   |                   |  |
| is attached hereto.  |                   |  |
| x was filed on January 11, 2000  | se rejecue apr    | Dication number 09 / 481,654   |
| and was amended on   | 2 1010000 abb.    | ication number   |
| (If applicable)  |                   | -  |
| I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any   |                   |  |
| l acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56  |                   |  |
| I verily believe the original patent to be wholly or partly inoperative below. (Check all boxes that apply.)   | re or invalid, fo | or the reasons described   |
| by reason of a defective specification or drawing.   | •                 |  |
| by reason of the patentee claiming more or less than he ha   | ad the right to   | claim in the patent  |
| by reason of other errors.   | •                 | The state of the s |

[Page 1 of 2]

This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

### Page 1A of Reissue Application Declaration by the Assignee Listing of final 2 (third and fourth) invent rs

#### 3. Glen A. Thommes

Citizenship:

**USA** 

Mailing Address:

218 Welwyn Road, Wilmington, DE 19803

### 4. Jonathan V. Caspar

Citizenship:

**USA** 

Mailing Adress:

210 Brecks Lane, Greenville, DE 19807

PTO/SB/52 (05-03)
Approved for use through 01/31/2004. OMB 0651-0033
U.S. Peterst and Trademark Office; U.S. DEPARTMENT OF COMMERCE

no persons are required to respond to a collection of information unless it displays a valid OMB control number. Under the Paperwork

**Docket Number (Optional)** 

### REISSUE APPLICATION DECLARATION BY THE ASSIGNEE At least one error upon which reissue is based is described as follows: SEE ATTACHED PAGE 2A [Attach additional sheets, if needed.] All errors corrected in this relesue application arose without any deceptive intention on the part of the applicant. I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith. Registration Number Name(s) 36,004 Paul L. Sharer 30,793 Mark G. Paulson Correspondence Address: Direct all communications about the application to: 00909 X **Customer Number** 00909 Type Customer Number Here Firm or П Individual Name **Address** Address State Zip City Country Fax Telephone I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful faise statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed. Jacob Renkema

Full name of persop signing (given name, family name) Date Signature ne 19,2003

DSM N.V., Het Overloon 1, 6411 TE Heerlen, The Netherlands

Address of Assignee

### Page 2A of Reissue Declaration by Assignee

At least one error upon which reissue is based:

In claim 1 (column 15), the phrase

"at least two epoxy resins one of which polymerizes at a slower rate and has a higher neat viscosity than at least one other epoxy resin present and the epoxy resins are present at a concentration in the mixture of from 5 to 25% by weight"

### should be changed to:

"at least two epoxy resins, said at least two epoxy resins including a first epoxy resin polymerizing at a slower rate and having a higher neat viscosity than at least one other epoxy resin present, said first epoxy resin being present at a concentration in the mixture of from 5 to 25% by weight"

 This Reissue application is a broadening reissue application. For instance, none of the added claims reference UV radiation at wavelengths of 351nm and 364nm.